

REMARKS

New figures 1A, 1B, 3A, 3B, 6A, 6B, and 7, attached herewith, have been amended in response to the Notice of Draftperson's Patent Drawing Review dated 5/19/03 (attached to paper no. 25). The margins were adjusted and the views were re-labeled. The amended figures raise no issue of new matter.

Applicant believes that the present application is now in condition for allowance. Favorable reconsideration of the application as amended is respectfully requested.

The Examiner is invited to contact the undersigned by telephone if it is felt that a telephone interview would advance the prosecution of the present application.

The Commissioner is hereby authorized to charge any additional fees which may be required regarding this application under 37 C.F.R. §§ 1.16-1.17, or credit any overpayment, to Deposit Account No. 50-0872. Should no proper payment be enclosed herewith, as by a check being in the wrong amount, unsigned, post-dated, otherwise improper or informal or even entirely missing, the Commissioner is authorized to charge the unpaid amount to Deposit Account No. 50-0872. If any extensions of time are needed for timely acceptance of papers submitted herewith, Applicant hereby petitions for such extension under 37 C.F.R. §1.136 and authorizes payment of any such extensions fees to Deposit Account No. 50-0872.

Respectfully submitted,

Date November 20, 2003

By Barry Wilson

FOLEY & LARDNER

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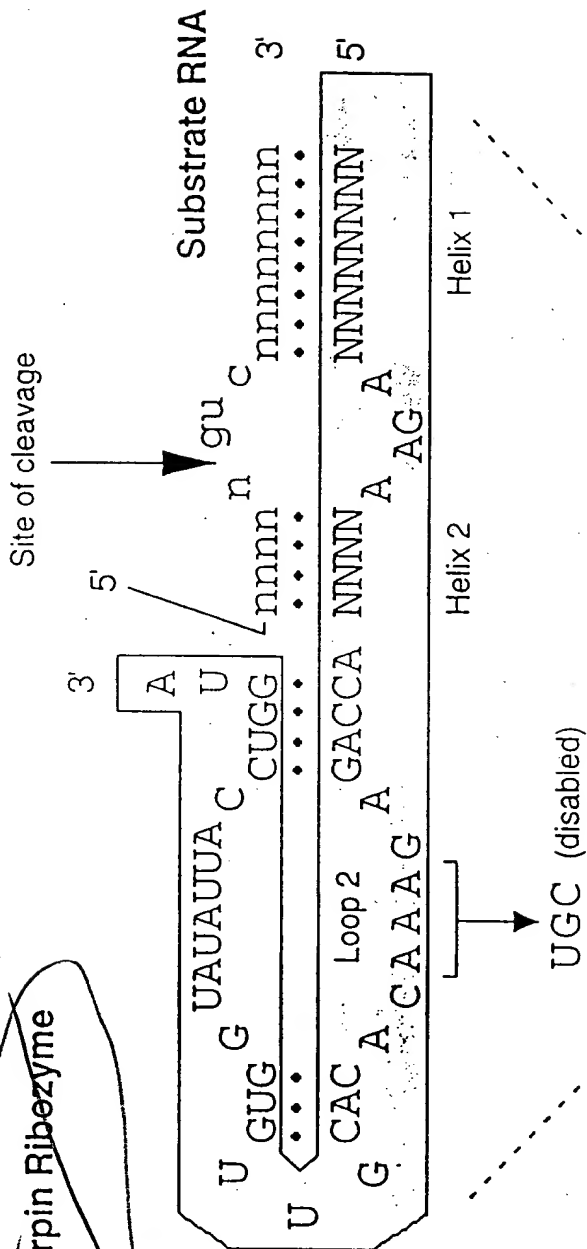
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A. Randomized Hairpin Ribozyme

FIG. 1A

B. Ribozyme Library Vector

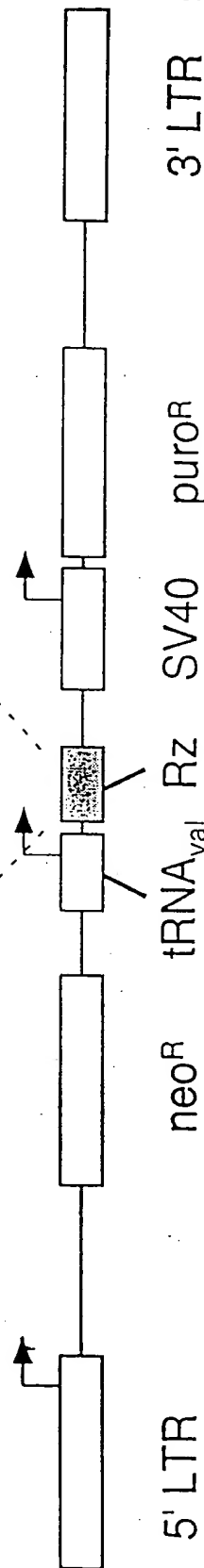


FIG. 1B

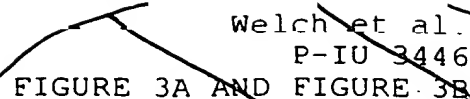
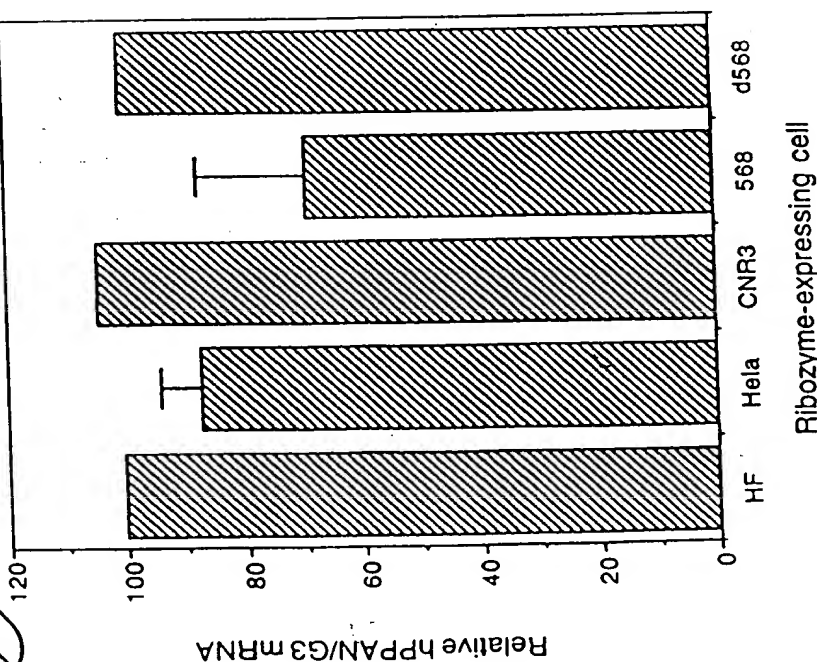
[illegible]

FIG. 3A



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FIGURE 6A

	10	20	30	40	50	60
1	GCCTGATGTC	GTCCCAAGCC	GTGCGGCTC	TCAGGCGCCG	GAAGTGAGCT	GCCACCGCC 50
61	GGAAAGCGCG	GACGCAGGAG	GCCTCGTGGA	GGACACAGCA	GCATGGGACA	GTCAGGGAGG 120
121	TCCCGGCACC	AGAAGCGCGC	CCCGCCCCAG	GCGCAGCTCC	GCAACCTCGA	GGCCTATGCC 180
181	GCGAAGCCGC	ACTCGTTGGT	GTTACAGGGA	GGCTGCACGG	GTCGCAACAT	CCGGCAGCTC 240
241	AGCCTGGAGC	TGCGGCGGGT	CATGGAGCCC	GTCAGTGGCA	GCCGTCTGCA	GGTTCTGAAG 300
301	AAGAAGTCGC	TGAAGGACTC	CGTGGCAGTC	GCTGGCCCCC	TGGGGGTCAC	ACACTTTCTG 360
361	ATCTAGCAAA	AACAAGAGAC	CAATGCTTAC	TTTAAAGCTGA	TGGGCTTCCC	AGGAGGCCCC 420
421	ACCTTGACCT	TCCAGGTCAA	GAAGTACTCG	CTGGTGCGTG	ATGTGCTCTC	CTCACTGGCC 480
481	CGGCACCGCA	TGCACGAGCA	GCAGTTTGCC	CACCCACCCC	TCCTGCTACT	CAACAGCTTT 540
541	GGCCCCCATG	GTATGCATGT	GAAGCTCATG	GCCACCATGT	TCCAGAACCT	GTTCCCCCTC 600
601	ATCAACGTGC	ACAAGGTGAA	CCTGAACACC	ATCAAGCGCT	GCCTCCTCAT	CGACTACAAC 660
661	CCCGACTCCC	AGGAGCTGGA	CTTCCGCCAC	TATAGCATCA	AAGTTGTTCC	TGTGGGCGCG 720
721	AGTCGCGGGA	TGAAGAAGCT	GCTCCAGGAG	AAGTTCCCCA	ACATGAGCCG	CCTGCAGGAC 780
781	ATCAGCGAGC	TGCTGGCCAC	GGGCGCGGGG	CTGTCCGAGA	GCGAGGCAGA	GCCTGACGGC 840
841	GACCAACAAC	TCACAGAGCT	GCCTCAGGCT	GTGCTGGGCC	GTGGCAACAT	GCGGCCCCAG 900
901	CAGAGTGCAG	TGCGGCTCAC	CGAGATCGGC	CGCGCGATGA	CACTGCAGCT	CATCAAGGTC 960
961	CAGGAGGGCG	TGGGGGAGGG	CAAGTGATG	TTCCACAGTT	TTGTGAGCAA	GACGGAGGAG 1020
1021	GAGCTGCAGG	CCATCCTGGA	AGCCAAGGAG	AAGAAGCTGC	GGCTGAAGGC	TCAGAGGCAG 1080
1081	GCCCCAGCAG	CCCAGAATGT	GCAGCGCAAG	CAGGAGCAGC	GGGAGGCCCA	CAGAAAGAAG 1140
1141	AGCCTGGAGG	GCATGAAGAA	GGCAGCGGTC	GGGGGTAGTG	ATGAAGAGGC	CTCTGGGATC 1200
1201	CTTCAAGGA	CGGCAGCCT	GGAGTTGGGT	GAGGACGATG	ATGAACAGGA	AGATGATGAC 1260
1261	ATCGAGTATT	TCTGCCAGGC	GGTGGGCGAG	GCGCCAGTG	AGGACCTGTT	CCCCGAGGCC 1320
1321	AAGCAGAAAC	GGCTTSCCAA	GTCTCCAGGG	CGGAAGCGGA	AGCGGTGGGA	AATGGATCGA 1380
1381	GGCAGGGGTC	GGCTTTGTGA	CCAGAACTTT	CCCAAGACCA	AGGACAAGTC	CCAGGGAGCC 1440
1441	CAGGCCAGGC	GGGGGCCCCAG	AGGGGCTTCC	CGGGATGGTG	GGCGAGGCCG	GGGCGAGGCC 1500
1501	CGCCAGGGA	AGAGAGTGGC	CTGAGCCCAA	GCCGCACCGG	AGCAGCGGCT	GGATTGAACG 1560
1561	CCCCAGATTG	GGGCCCCAGA	TGTGGCCCTC	GGTTTCCTTT	CATAAAGGAG	TTGTGTCCCC 1620
1621	AGCCCTTCCA	CTCCAGTAAA	GAAGTGAATT	GGCAAAAAAA	AAAA	1664

FIG. 6A



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FIGURE 6B

	10	20	30	40	50	60	
1	MGQSGRSRHQ	KRAPQOQLR	NLEAYAAPH	SFVFTRGCTG	RNIRQLSLDV	RRVMEPVTAS	60
61	RLQVRKKNSL	KDCVAVAGPL	GVTHFLILAK	QETNVYFKLM	RLPGGPTLTF	QVVKYSLVRD	120
121	VVSSLRRHRM	HEQQFAHPPL	LVLNSFGPHG	MHVKLMATMF	QNLFPSINVH	KVNLNTIKRC	180
181	LLIDYNPDSQ	ELDFRHYSIK	VVPVGASRGM	KKLLQEKFPN	MSRLQDISEL	LATGAGLSES	240
241	EAEPDGDHNI	TELPQAVAGR	GNMRAQQSAV	RLTEIGPRMT	LQLIKVQEGV	GEGKVMFHSF	300
301	VSKTEELQA	ILEAKEKLR	LKAQRQAQQA	QNVQRKQEQR	EAHRKKSLEG	MKKARVGGSD	360
361	EEASGIPSRT	ASLELGEDDD	EQEDDDIEYF	CQAVGEAPSE	DLFPEAKQKR	LAKSPGRKRH	420
421	RWEHNRGRGR	LCDQKFPKTK	DKSQGAQARR	GPRGASRDGG	RGRGRGPGK	RVAZ	480
	10	20	30	40	50	60	

FIG. 6B



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FIGURE 7

MM  
HS FGQGGKQAAWQSPGGPDIRSAIAPGELRNLESYAAQPHSFV 41

MM  
HS FTRG---RAGRNVRQLSLOVRVMEPLATRLQVRKKNSLKDCAVAGPLGVTHFLILTK 98  
LGPRVTHFLILSK 13

MM  
HS TD--NSVYLKLMRLPGGPTLTQISKYTLIRDVVSSLRRH-RMHEQQINMPILVLSFG 155  
TE--INVYFKLMRLPGGPTLTQVKKYSLVRDVVSSLRRH-RMHEQQIAMPILVLSFG 70

MM  
HS PQG-----MHIKLMATMFQNLFPSINVHTVNLNTIKRCLLINYNPD-SQELDFRHY 205  
PHG-----MHVKLMATMFQNLFPSINVHKVNLNTIKRCSSXDLKPGFPRSLOFQPI 121

MM  
HS SVKVVVVGASRGMKKLLQ-----EKFPNMSRLQDISSELLATGVG----- 244  
IAFKGGSCWAPNSGGL 137

MM  
-----LSDSEVEPDGEHN-----TTELPQAVAG-RGNMQAQQSA 277

MM  
VRLEIGPRMILQLIKIQEGVGNQNVLFMSFVHKTEELQAIIAAKBEKLRLQAQRQHQ 337

MM  
AENLQRXRSCRXPTRRRAWQA----- 358

FIG. 7